Ohio/Penn DX Bulletin
Editor: Tedd Mirgliotta, KB8NW
"DXer's Tool of Excellence"

OPDX Bulletin 1441 November 25, 2019

The Ohio/Penn Dx PacketCluster
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November 25, 2019
Editor Tedd Mirgliotta, KB8NW
Provided by BARF80.ORG (Cleveland, Ohio)
Written/Sent from Strongsville, Ohio

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** EDITOR'S SPECIAL NOTICE: This week's bulletin was sent out earlier than normal to accommodate the late CQWW DX CW Contest announcements. Also, we wanted to provide the readers with a consolidated listing of the CQWW DX CW Contest participants.

DXCC COUNTRY/ENTITY REPORT: According to the AR-Cluster Network for the week of Friday, 15th/November, through Friday, 22nd/November there were 225 countries active. Countries available: 3B8, 3D2, 3DA, 3V, 3W, 4J, 4L, 4O, 4S, 4U1I, 4X, 5A, 5B, 5H, 5N, 5R, 5T, 5U, 5W, 5Z, 6W, 6Y, 7X, 8P, 8Q, 8R, 9A, 9G, 9H, 9J, 9K, 9L, 9M2, 9M6, 9N, 9V, 9X, 9Y, A2, A4, A5, A6, A7, A9, AP, BV, BY, C3, C5, C6, C9, CE, CE0Y, CE9, CM, CN, CP, CT, CT3, CU, CX, D2, D4, DL, DU, E5/s, E7, EA, EA6, EA8, EA9, EI, EK, EL, EP, ER, ES, EU, EX, EY, F, FG, FK, FM, FO, FO/m, FR, FS, FY, G, GD, GI, GJ, GM, GU, GW, H4, H40, HA, HB, HB0, HC, HH, HI, HK, HL, HP, HR, HS, HV, HZ, I, IS, J2, J3, J6, J7, J8, JA, JT, JW, JX, JY, K, KH0, KH2, KH6, KH8, KL, KP2, KP4, LA, LU, LX, LY, LZ, OA, OD, OE, OH, OK, OM, ON, OX, OY, OZ, P2, P4, PA, PJ2, PJ4, PJ5, PJ7, PY, PY0F, PZ, S0, S2, S5, S7, S9, SM, SP, SV, SV5, SV9, T30, T5, T7, TA, TF, TG, TI, TK, TR, TT, TU, UA, UA2, UA9, UK, UN, UR, V2, V3, V4, V5, V6, V8, VE, VK, VK9C, VK9N, VK9X, VP2E, VP2M, VP5, VP8, VP9, VR, VU, XE, XT, XU, XX9, XZ, YA, YB, YJ, YL, YN, YO, YS, YU, YV, Z3, Z6, ZA, ZB, ZD7, ZD8, ZF, ZL, ZP, ZS

* PLEASE NOTE: The report "could" contain "Pirate/SLIM" operations or more likely a "BUSTED CALLSIGN". As always, you never know - "Work First Worry Later".

4U1UN NEWS (Update). On FaceBook, the United Nations Amateur Radio Club (4U1UN) reports the following on November 20th:
Couple of announcements:

1. Beacon is back although the antenna is literally being held together with tape and chewing gum at this point. Not sure how much longer it'll survive.
2. We've managed to figure out the kinks with the rack mounted system. Additionally, Elecraft fixed and returned our malfunctioning K3. We ran a few quick tests today and seems everything is finally functioning as it should. That said, you should start to hear 4U1UN back on the air very soon. Some may have had the good fortune of working Adrian today while he ran some tests.

The United Nations Amateur Radio Club's (4U1UN) FaceBook can be viewed at:
https://www.facebook.com/United-Nations-Amateur-Radio-Club-4U1UN-169357566427247

5B60, CYPRUS (Special Event Update). Alan, 5B4AHJ, reports that the following message was issued to members of the Cyprus Amateur Radio Society by CARS President, Nestoras Jacovides, 5B4AHZ, today (November 11th). Please publicize. Thank you: "Dear Members... 2020 is an important year for the Republic of Cyprus which completes 60 years since its establishment. Therefore, a request to the Department of Electronic Communications

has been made requesting that we are granted the special 5B60 prefix for use throughout 2020, to help spread this important event by informing several thousand radio amateurs worldwide. I am pleased to inform you that our request has been approved. Specifically, all CARS members will be able to use the 5B60 prefix (instead of 5B) if they wish, starting from 1 Jan 2020 @ 00:00 until 31/12/2020 @ 23:59."

5H, TANZANIA. Chas, NK8O/VE3ISD, will once again be active as 5H3DX from Zinga, Tanzania, between February 16th and March 16th. Activity will be from the pediatric hospital at Zinga. Usual operations will be holiday style. Power output will be the legal limit for Tanzania at 100w and the primary antenna should be a Hexbeam configured for 40-6 meters, including the WARC bands. Operations will be primarily CW, with PSK31, FT8 and possibly SSB. He states that he will use a simple wire antenna and his KX3 with a KXPA100 amp. See QSL info on QRZ.com. Also, QSL via LoTW and eQSL. NO Bureau.

7Q, MALAWI. By the time you read this (as November 18th), Karl, DK2WV, will be active as 7Q7W from Lilongwe for about 3 weeks. Activity will be on 40-6 meters using CW, SSB and FT8. QSL via DK2WV.

8P, BARBADOS. Tom, W2SC, will once again be active as 8P5A during the CQWW DX CW Contest (November 23-24th) as Single-Op/All-Band/High-Power entry. Look for him to do casual operating and testing before and after the contest on 160-10 meters using CW and SSB. QSL via LoTW or direct to HA1AG (not NN1N).

8R, GUYANA. Heye, DJ9RR, is once again and now active as 8R1/AG6UT from Guyana. He tells OPDX, "I'm staying here for the CQWW CW and I'm doing some activity before and after the contest. Last day of activity will be probably on Thursday (28th) next week." Activity will be on 40-10 meters, and he is planning to be in CQWW DX CW Contest (November 23-24th). Look for him to be on the air after the contest on FT8. QSL via LoTW or DJ9RR, direct or by the Bureau. NO eQSL.

A4, OMAN. Members of the Royal Omani Amateur Radio Society (ROARS) will activate their contest station, A44A, in Muscat during the CQWW DX CW Contest (November 23-24th) as a Multi-? entry. QSL via A47RS. Operators mentioned are Fulvio/HB9DHG, Oliver/Z32TO, Mohibulla/A41JZ, San/A45TT and Prasad/VU2PTT (Team Leader).

AH2, GUAM. Members of the Guam Contest Club will be active as AH2R during the CQWW DX CW Contest (November 23-24th) as a Multi-Single entry. Operators mentioned are Toshinobu/JI3ERV (NH2C) and Mikawa/JR7OMD. QSL via LoTW or to JH7QXJ, direct or by the Bureau. PLEASE DO NOT QSL via the KH2 Bureau.

DXCC NEWS. The following operations have been reportedly approved (on the upcoming Tanzania operation Web page - http://www.i2ysb.com/idt/ ) for DXCC credit as well as the LoTW certificates:

5I5TT -- Tanzania; Upcoming 2020 operation
5I4ZZ -- Tanzania; Upcoming 2020 operations

EA8, CANARY ISLANDS. Andrea, IK1PMR, is currently active as EA8/IK1PMR from Tenerife Island (AF-004) for the next few weeks. Activity will be on 160-6 meters using all modes with a K3 and 500w amp. He will also be in the CQWW DX CW Contest (November 23-24th) as a Single-Op (band(s) to be decided) entry. QSL via HB9FKK (his Swiss callsign), by the Bureau or ClubLog.

FW, WALLIS AND FUTUNA (Reminder). Nobuaki, JA0JHQ, will be active as FW/M0JHQ from Wallis Island (OC-054) between November 23-27th. He may apply for a unique FW callsign upon arrival. Activity will be on 160-10 meters using CW and FT8. QSL via LoTW or direct to JA0JHQ. For more details and updates, see: https://pandasan.jimdo.com/fw-m0jhq

FY, FRENCH GUIANA. Operator Didier, FY5FY, will be active during the CQWW DX CW Contest (November 23-24th) as a Single-Op/Single-Band (160m)/High-Power/Assisted entry. QSL via FY5FY.

GU, GUERNSEY (EU-114). Dick, GU4CHY, will once again be active during the CQWW DX CW Contest (November 23-24th) as a Single-Op/Single-Band (20m)/ High-Power entry. QSL via his home callsign, direct (preferred) or by the Bureau (long QRX).

HB0, LIECHTENSTEIN. After replacement of some faulty coax cables, operators Silvio/HB9LCW and Aurelio/PC5A will be active as HB0A during the CQWW DX CW Contest (November 23-24th) as a Multi-Single entry. They will use a

Tri-bander for 10-20m, rotary dipole for 40m and wires for 80/160m. The QTH is blocked towards the east. QSL via LoTW or CBA.

IOTA NEWS.....

AS-153. Members of the West Bengal Radio Club (VU2WB) will be active as 8T2G from Ganga Sagar Mela between January 10-17th, 2020. Activity will be on various HF bands. QSL via VU2NRO.

PLEASE NOTE: Since the Webmasters of the new have decided NOT to post or dedicate a Web page to announce upcoming IOTA operations, PLEASE send your IOTA operations information to the OPDX, and we will post it here in an upcoming bulletin.....

KP4, PUERTO RICO. Paul, WQ2N, will be active as KP4/WQ2N during the CQWW DX CW Contest (November 23-24th) as a Single-Op/Single-Band (20m)/Low-Power entry. QSL via WQ2N.

NEW OFFICERS FOR 2020. Members of the Mississippi Valley DX/Contest Club (MVDX/CC) announces the following 2020 Officers elected on November 20th, 2019:

President — Udo Heinze — NI0G
Vice-President — Chuck Guenther — NI0C
Secretary — John Yodis — K2VV
Treasurer — Carlos Scheer — N5TN (LU6ACU)

The Mississippi Valley DX/Contest Club (MVDX/CC) is an ARRL affiliated Amateur Radio club in the St. Louis, Missouri, and Southern Illinois area. The club specializes in Long Distance (DX) Amateur Radio communication, and in Amateur Radio contesting. The club also sponsors the Tenth Call Area ARRL Incoming QSL Bureau. The club station callsign is KM0DX. Their Web page is at: http://Website: www.mvdxcc.org
Membership is open to all, and club meetings are held at 7:00 pm on the second Thursday of each month at:

St. Luke's Hospital conference center
Level 2 of North/South Medical Bldg.
232 S Woods Mill Rd, Chesterfield, MO 63017

For more information, please contact:
Eric Zust, 636-530-5930, w0tt@charter.net

POSSIBLE NEW DXCC ENTITY (Country). On November 23rd, more than 200,000 registered voters on the Islands of Bougainville, part of the Papua New Guinea (PNG), will head to the polls to cast their ballots to choose between "greater autonomy within PNG or full independence." Voting will continue until December 7th. Read the complete story at:

https://www.bbc.com/news/world-asia-50009912
https://www.aljazeera.com/news/2019/11/bougainville-vote-world-newest-country-191120052528346.html
https://www.theguardian.com/world/commentisfree/2019/nov/21/peace-agreements-normally-fail-within-five-
https://www.bloomberg.com/news/articles/2019-11-20/-60-billion-mine-propels-bougainville-s-independenc

PROPAGATION FORECAST/REPORT (November 25th-December 1st).....

| | | |
|---|---|---|
| Nov/25th AN | Nov/28th AN | Nov/30th AN |
| Nov/26th AN | Nov/29th AN | Dec/01st AN |
| Nov/27th AN | | |

SOLAR REFERENCE KEYS/INDEXES AND GEOMAGNETIC REFERENCE

| NORMALITY | GEOMAG | K Values | Alpha |
|---|---|---|---|
| AN - Above Normal | Quiet | K=0-1 | 0-7 |
| HN - High Normal | Unsettled | K=2 | 8-15 |
| LN - Low Normal | Active | K=3 | 16-29 |
| BN - Below Normal | Minor Storm | K=4 | 30-49 |
| DIS - Disturbed | Major Storm | K=5 | 50-99 |
| VRY DIS - Very Disturbed | Severe Storm | K=6-9 | 100-400 |

Meanwhile, check out the following Web sites for propagation:

* VOACAP predication Web page at: http://www.voacap.com/hf and http://www.voacap.com/prediction.html
* DX.QSL.NET Propagation page: https://dx.qsl.net/propagation
* A daily HF radio wave propagation forecast can be found at: https://www.facebook.com/thomasfranklingiellaw4hm
* SolarHam Web page: http://www.solarham.net
* Radio Propagation/Space Weather/Sunspot Cycle Information at: http://sunspotwatch.com
* Monthly propagation charts between four USA regions and twelve overseas locations are at: http://arrl.org/propagation
* Information and tutorials on propagation are at: http://k9la.us
* Graphic propagation tool by DR2W: http://www.dr2w.de/dx-propagation
* Point to point propagation at: http://www.predtest.uk/p2p.html

* Realtime propagation at: http://www.predtest.uk
* Also on Twitter: https://twitter.com/@GiellaW4hm

QSL INFO AND NEWS.....

QSL-INFO from DB0SDX by Lothar, DL1SBF (www.qslinfo.eu) (November 22nd)

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| | | |
|---|---|---|
| 3B8/W6XD via W6XD | EA8/R3GG via R3GG | PJ5/SP6EQZ via SP6EQZ & (L) |
| 3B8M via M0OXO (O) | FM/F8AAN via F8AAN (d/L) | SF6F via SA6FOL (L) |
| 5N7Q via DF8DX & (L) | FR4PV via F1UIJ & (L) | TA4/PE2M via PE2M |
| 5U9AMO via M0URX & (L) | FS/VA3DF via VA3DF & (L) | TK/S53MM via S53MM |
| 8R1/AG6UT via DJ9RR & (L) | OG2K via OH2J | TM75MAR via F4HZS |
| 9A8GHJ/p via OE7GHJ | ON/DJ1AA/M via DJ1AA | V31MA via M0OXO (O/L) |
| 9H3OG via DL4HG | OR18UBA via ON4CAS | V47NT via W2RQ & (L) |
| CT9/DL1CW via DL1CW & (L) | OR5TC via ON5TC | V63AR via K7AR |
| CT9/HA3NU via HA3NU & (L) | OT4V/P via ON4VT (O/L) | VK9CZ via N3SL & (L) |
| CT9/OM2VL via OM2VL | OV3T via OZ4XL (L) | VY0ERC via M0OXO (O/L) |
| CT9/R7KW via K2PF (L/O) | PD33EUDXF via PA0MBD | YQ0U via YO5BFJ |
| D4CC via OE4AAC | PJ2/N7WA via N7WA | ZF9CW via K5GO (d/L) |
| DK0DFF via DL7AFS | PJ2/VE3CX via VE3CX & (L) | |
| DL5E via DL7ATR | PJ4/NE9U via NE9U & (L) | |

(e) eQSL only (d) direct only (B) Bureau only (*-B) DX's- Bureau
(O) OQRS only (C) ClubLog only (L) LoTW only (N) No QSL needed
(I) No IRC (P) PayPal (NB) No Bureau

LOGS ONLINE AT CLUBLOG.ORG THIS WEEK.....
https://clublog.org/logsearch/5H3UA
https://clublog.org/logsearch/5N7Q
https://clublog.org/logsearch/5U9AMO
https://clublog.org/logsearch/VK9CZ

NEW QSL MANAGER. QSL Manager Vasiliy, RW6HS, informs OPDX that he is now the QSL Manager for the following stations: CN8KAM

QSLS RECEIVED VIA LoTW: 5N7Q, 9G2HO, BV7RR, RA0AM, RV9CX, VK9CZ, VU7RI, XV9D and YL2SM

QSLS RECEIVED VIA MAIL: 3W9KJ (AS-132), 5C5AF (AF-065), 6O7O, A35JT, A82X, A82Z, IS0HQJ, N1A, NO0H/p (NA-040), T88DT (OC-009) and ZS9V (AF-064)

QSLS RECEIVED VIA THE BUREAU: 4L0GF, 6V7A, 6W1RW, C52C, FH/F2DX, FH/F6BEE, FR4PV, GU3HFN, IM0/DL2JRM (EU-041), OM100CSR, OM7RU, OZ/DL2JRM (EU-172), OZ/DL3JJ (EU-171) and TO5FP
--- We would like to see more QSL Bureaus (such as AS/US/SA/AF.. etc) to send in their info....

SV, GREECE. Operators Gianni/SV2FPU and Andreas/SV2JAO will be active as SX2I during the CQWW DX CW Contest (November 23-24th) as a Multi-Op entry. QSL via LoTW.

SZ, GREECE. Members of the Radio Amateur Association of Western Greece (RAAWG) will be active as SZ1A during the CQWW DX CW Contest (November 23-24th) as a Multi-Single or Multi-2 entry. Operators mentioned are Bill/SV1BJW, Dennis/SV1CDN, Dimitris/SV1CIB, Andy/SV1DKD, Efstathios/SV5DKL, Kostas/SV1DPI, Vasilis/SV1DPJ, Costas/SV4FFL and Cliff/SV1JG. QSL via LoTW, eQSL or Clublog's OQRS.

T30L & C21WW (Story and Pictures Available Online). Yuris, YL2GM, informs OPDX that their DXpedition story is now available online in the following formats:
You can download it in MS Word:
https://www.dropbox.com/s/dzbky0u7dcdb14w/Story%20T30L%20C21WW.docx?dl=0

PDF format:
https://www.dropbox.com/s/8zkbmm5wk80yvhk/Story%20T30L%20C21WW.pdf?dl=0

Story pictures and pictures with flags:
https://www.dropbox.com/sh/06848b3ahwhlcz0/AABggSFV3atipye0z-dCtm4Ta?dl=0

TF, ICELAND. Operators Col/MM0NDX (aka OJ0Y) and Jonathan/MM0OKG will be active as TF/OJ0Y and TF/MM0OKG, respectively, from the western side of the main island between December 31st and January 2nd, 2020. Depending on the propagation, operators will be on various HF bands using CW, SSB and FT8. QSL TF/OJ0Y via EB7DX or LoTW. QSL TF/MM0OKG via LoTW.

TO5, MARTINIQUE. Albert "Al", F5VHJ, will be active as TO5A during the CQWW DX CW Contest (November 23-24th) as a Single-Op/All-Band entry. USA

QSLs go via WA6WPG. All other are via F5VHJ, LoTW, ClubLog's OQRS or REF Bureau.

V3, BELIZE. Operators Victor/WB0TEV (V31VP) and Scott/K5PS (V31CQ) are once again active from Blackman Eddy until November 30th. Activity will be on 160-10 meters using CW, SSB, RTTY and FT8. This will include participation in the CQWW DX CW Contest (November 23-24th) as a Multi-Single entry signing V31CQ. Victor may get on the air a little bit outside the contest as V31VP. QSL V31VP via WB0TEV, direct or by the Bureau. QSL V31CQ via K5PS, direct, by the Bureau, eQSL, ClubLog or LoTW.

V4, ST. KITTS. John, W5JON, will once again be active as V47JA from his Calypso Bay, St. Kitts, West Indies vacation home, located 200 feet from the Caribbean Sea, between December 10-19th. Activity will be on 160-6 meters (incl. 60m) using SSB and FT8. Equipment is a Yaesu FT1000MP, FT857D and an Elecraft KPA500 Amplifier. John states his antennas are a Mosley Mini32A 10/15/20m, 33' Vertical 10-40m, 35' Top Loaded 80m Vertical, 160m Vertical and 6m 5 element Yagi. ALL QSLs go to W5JON direct or via LoTW. NO Bureau QSLs.

V5, NAMIBIA. Ulrich, ZR2A (DM5EE), will be active as V55A from Namibia during the CQWW DX CW Contest (November 23-24th) as a Single-Op/All-Band/High-Power entry. QSL via M0OXO.

VK9L, LORD HOWE ISLAND (Reminder). By the time you read this, Mike, DF8AN, will be active as VK9LQ from Lord Howe Island (OC-004) until November 27th. Activity will be on 160-6 meters using CW, RTTY, FT8 and other Digital modes (JT, PSK, MFSK16 and some HELL were mentioned). Michael states that he "will work in FT8 DXPedition mode only if too many callers", but he will mainly not work in DXPedition mode. Also, check the regular FT8 frequencies, and if too many callers, he will QSY to 14090, 7045 or 10142 in the DXPedition mode. Mike will also be in the CQWW DX CW Contest (November 23-24th) as a Single-Op entry. QSL via DF8AN, direct, by the Bureau or eQSL. NO ClubLog, OQRS or LoTW.

VK9N, NORFOLK ISLAND (Update). Janusz, SP9FIH, will be active as VK9NK from Norfolk Island (OC-005) between January 12th and April 12th. He states, " It is my tribute to Jim Smith, VK9NS, who lived and operated from there for years. According to last internet poll VK9N is 85th most wanted entity." Activity will be on 160-10 meters using SSB, RTTY and FT8. Suggested frequencies are:

SSB - 7095, 14195, 18140, 21195, 24940 and 28420 kHz
RTTY - 1845, 3569, 7045, 10145, 14095, 18095, 21095, 24920 and 28095 kHz
FT8 (F/H) - 1845 (1908 JA), 3569, 7045, 10145, 14095, 18095, 21095, 24920 and 28095 kHz

Equipment will be an IC-7200 and Expert 1.3K-FA into a Spiderbeam and verticals. QSL via SP9FIH or ClubLog's OQRS. His Web page is now online with a needs band/mode survey at: http://vk9nk.dxpeditions.org

VK9X, CHRISTMAS ISLAND. Kunio, JO1AEC, is now active as VK9X/JO1AEC from Christmas Island (OC-002) until November 23rd. Activity will be on 80/40/30/20/15/10 meters using CW and possibly JT65. QSL via his home callsign, direct, by the Bureau or eQSL.

VP9, BERMUDA. Operators Robert/WA1Z and Kury/W6PH will be active as VP9I from Ed/VP9GE's Hamilton Parish QTH (NA-005, WLOTA 0201) during the CQWW DX CW Contest (November 23-24th) as a Multi-Single/All-Band/Low-Power entry. QSL via WW3S or LoTW. Look for operators to possibly sign VP9/homecall outside of the Contest. For more details about the VP9I contest station, see: http://vp9ge.com/vp9i

XZ, MYANMAR (Press Release, dated November 20th). Wayne, N7NG, sent out the following Press Release titled "A FRESH AMATEUR RADIO LICENSE XZ2D ISSUED TODAY" -- Yangon, Myanmar, November 20, 2019, From Martti Laine, OH2BH -- Contrary to yesterday's release (see Additional Bulletin at the bottom), the XZ8X callsign did not surface, but XZ2D indeed did! The ink is still wet, but it will stick to the form. As of today - as expected - the permitted spectrum will be 15m and higher. But gladly your supporting letters keep coming in, and we will proceed accordingly. There is a willingness in place at the Ministry, and that is what counts. Getting 14.065 KHz temporarily for the duration of 48 hours would be magic. Thank you for your letters — we need them all. Your supporting letters will be handled in full confidence and will not be made public without your personal consent.

We would like to thank the Worldview International Foundation (WIF), their management and staff as they have put all of themselves into this

effort. As Radio Arcala, OH8X remains at their Climate Park with more than 110,000 mangroves planted, our dream remains to activate The Union of Myanmar from our own site from the noise free Ayeyarwady Region of Myanmar. The activity would be on all bands during the XZ2D validity up to April.17. 2020.

Kindly look at the WIF effort on the link below and join their climate bandwagon to make the difference -- we are committed to have amateur radio doing more than its fair share in it. https://wif.foundation/en/

We are now setting up the station and should be QRV tomorrow – a long way from the city noise.

See you 15M and 10M as of today's permit and hopefully 14.065 KHz with support from all of you.

(*) Mango DX Group was established in Thailand among the International Alliance Volunteers (IAV) conference local and international participants. They aim to promote Amateur Radio to make it a vital part of the evolving countries/societies in South East Asia (SEA). Their many current activities are paving the way for Amateur Radio's future in the countries out of the regular beaten tracks.

ZL, NEW ZEALAND. Operators Roger/ZL2RX, Mark/ZL3AB, Byron/ZL3DXT, Geoff/ZL3GA and Phil/ZL3PAH will use the "Quake Contesters" callsign ZL3X during the CQWW DX CW Contest (November 23-24th) as a Multi-2 entry. QSL via LoTW. No Bureau.

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The following stations are expected to be active in the
CQ World Wide DX CW Contest (November 23-24th, 2019)

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Thanks to Bill, NG3K, for providing OPDX readers with the following consolidated listing of the participants in the 2019 CQWW DX CW Contest. For a more detailed listing (and up-to-date changes/corrections) in HTML format, please visit Bill's Web page at:

http://www.ng3k.com/Misc/cqc2019.html (By call sign)
http://www.ng3k.com/Misc/cqcd2019.html (By entity)
http://www.ng3k.com/Misc/cqcz2019.html (By zone)

The CQ World-Wide DX Contest Web page and rules:
http://www.cqww.com/rules.htm

| Contest Callsign | DXCC Entity | CQZ | Class | QSL Route |
|---|---|---|---|---|
| 3B8M | Mauritius | 39 | M/M | LoTW; QSL via M0OXO |
| 3V8SS | Tunisia | 33 | SOAB LP | LoTW; QSL via LX1NO |
| 4L2M | Georgia | 21 | SOSB 20M | EA7FTR |
| 4L8A | Georgia | 21 | SOSB 40M | K1BV |
| 4U1A | Austria | 15 | M/S | UA3DX |
| 5B4AGU | Cyprus | 20 | SOSB 40M | LZ1MS |
| 5H3UA | Tanzania | 37 | M/? | LoTW |
| 5N7Q | Nigeria | 35 | M/? | LoTW; QSL via DF8DX (B/d/C) |
| 5T0AA | Mauritania | 35 | SO | LoTW |
| 5U9AMO | Niger | 35 | SOAB LP | LoTW; QSL via M0URX |
| 6V7A | Senegal | 35 | M/2 | LoTW; (C); F6BEE (B/d) |
| 6W7PCT | Senegal | 35 | M/? | (C); F5KKD (B) or F8GGV (d) |
| 7A2A | Indonesia | 28 | M/S | LoTW |
| 8P2K | Barbados | 08 | SOSB 160M | KU9C |
| 8P5A | Barbados | 08 | SOAB HP | LoTW; QSL via HA1AG |
| 8P6ET | Barbados | 08 | SOAB LP | KU9C |
| 8R1/AG6UT | Guyana | 09 | SO | DJ9RR (B/d) |
| 9G5W | Ghana | 35 | M/S | LoTW; QSL via S54W or (C) |
| 9H3TX | Malta | 15 | M/2 | DL5XAT |
| 9K2K | Kuwait | 21 | SOSB 40M | LoTW; QSL via EC6DX |
| 9M6NA | East Malaysia | 28 | SOAB HP | LoTW; QSL via (C) |
| A44A | Oman | 21 | M/? | A47RS |
| AH2R | Guam | 27 | M/2 | LoTW |
| C56DF | Gambia | 35 | SOSB 40M | LoTW; QSL via G3XTT & (C) |
| CR3S | Madeira | 33 | SOSB HP | LoTW Only |
| CR3X | Madeira | 33 | M/S | LoTW; QSL via K2PF |
| D4C | Cape Verde Islands | 35 | SOAB HP | LoTW; QSL via (C) |
| D4CC | Cape Verde Islands | 35 | SO | OE4AAC; QSL via (OE-B/d) |
| EA8/IK1PMR | Canary Islands | 33 | SOSB | (C); QSL via HB9FKK (B) |
| EA8/OK2GG | Canary Islands | 33 | SOSB 40M | OK2GG |
| EA8/OK5D | Canary Islands | 33 | SOSB 80M | OK1DTP |
| EA8/OL1A | Canary Islands | 33 | SOSB 15M | OK1CW |
| ED8W | Canary Islands | 33 | SOSB 40M | EA5GL |
| EW5A | Belarus | 16 | M/S | EW6W |

| | | | | |
|---|---|---|---|---|
| FM5KC | Martinique | 08 | SOAB | LoTW; QSL via F5VHJ (d/REF-B) |
| FO/K5PI | French Polynesia | 32 | SO LP | K5PI |
| FS/VA3DF | St Martin | 08 | SOSB | LoTW |
| FY5FY | French Guiana | 09 | SOSB 160M | FY5FY |
| GJ4YOX | Jersey | 14 | SOSB 20M | LoTW; QSL via GJ4YOX (B/d) |
| GU4CHY | Guernsey | 14 | SOSB 20M | GU4CHY (d) |
| HB0A | Liechtenstein | 14 | M/S | LoTW |
| HC0T | Ecuador | 10 | SOAB LP | LoTW |
| HH2AA | Haiti | 08 | SOAB LP | LoTW |
| HI3CC | Dominican Republic | 08 | SO HP | W2CCW |
| HR9/N3AD | Honduras | 07 | SOAB | W3HNK |
| HS0ZAR | Thailand | 26 | M/2 | K3ZO |
| HV0A | Vatican | 15 | M/? | LoTW; QSL via IK0FVC (d/C) |
| IH9/OK6RA | African Italy | 33 | SOSB 40M | OK6RA |
| IH9/OL3R | African Italy | 33 | SOSB 20M | OK1VWK |
| IS0/LZ5F | Sardinia | 15 | M/S | |
| IS0SWW | Sardinia | 15 | SOAB HP | OM2VL (B) |
| KP2M | U.S. Virgin Islands | 08 | SOAB HP | LoTW |
| KP3DX | Puerto Rico | 08 | SOAB | N4AO |
| KP4/WQ2N | Puerto Rico | 08 | SOSB 20M | WQ2N |
| LS2D | Argentina | 13 | M/? | EC6DX |
| LY4A | Lithuania | 15 | M/? | LY4A |
| MD4K | Isle of Man | 14 | SOAB | G3NKC |
| MW5B | Wales | 14 | SOSB 160M | LoTW; QSL via (C) |
| MU2K | Guernsey | 14 | SOAB LP | GU8ITE |
| NP2P | U.S. Virgin Islands | 08 | SO | LoTW |
| OH0Z | Aland Island | 15 | SOAB HP | W0MM |
| P3F | Cyprus | 20 | SO | M0URX |
| P40C | Aruba | 09 | SO | LoTW |
| P40W | Aruba | 09 | SOAB | LoTW; N2MM (d); no (B) |
| PJ4A | Bonaire | 09 | M/S | LoTW |
| PJ4K | Bonaire | 09 | M/2 | KU9C |
| PJ7/K0CD | Sint Maarten | 08 | SOSB 20M | K0CD |
| PJ7PL | Sint Maarten | 08 | SO | N2HX |
| PZ5W | Surinam | 09 | M/2 | LoTW |
| SW9AA | Crete | 20 | SOAB | LZ1PM |
| SX2I | Greece | 20 | M/? | LoTW |
| SZ1A | Greece | 20 | M/? | LoTW; QSL via (C/e) |
| TC0F | Turkey | 20 | M/S | LoTW; QSL via TA2BN (d) |
| TG4/KT8X | Guatemala | 07 | SO | LoTW |
| TI7W | Costa Rica | 07 | SOAB HP | W4FS |
| TK0C | Corsica | 15 | M/S | S50C |
| TO1A | French Guiana | 09 | SOSB 15M | |
| V26K | Antigua & Barbuda | 08 | SOAB LP | LoTW; QSL via AA3B |
| V31CQ | Belize | 07 | M/S | LoTW |
| V4/WX4G | St Kitts & Nevis | 08 | SOSB 40M | WX4G |
| V47T | St Kitts & Nevis | 08 | SOAB HP | W2RQ |
| V55A | Namibia | 38 | SOAB HP | M0OXO |
| V63AR | Micronesia | 27 | SO | LoTW |
| V85RH | Brunei | 28 | SO | LoTW |
| VE2IM | Canada | 02 | | |
| VK9CZ | Cocos Keeling | 29 | M/2 | LoTW; QSL via (C) and N3SL |
| VK9LQ | Lord Howe Island | 30 | SO | DF8AN; QSL (B/d) |
| VP2MDM | Montserrat | 08 | M/2 | LoTW; QSL via K2DM (d) |
| VP2VWW | Br. Virgin Islands | 08 | SOAB LP | LoTW; QSL via AA7V (d) |
| VP5M | Turks & Caicos | 08 | M/S | LoTW |
| VP9I | Bermuda | 05 | M/S | LoTW |
| XP2I | Greenland | 40 | SOAB LP | OZ2I; QSL via (C) |
| XV9D | Vietnam | 26 | SOSB 40M | LoTW; QSL via EA5GL (d) |
| XV9DXB | Vietnam | 26 | SO | EB7DX |
| XZ2D | Myanmar | 26 | SO | |
| YN2CC | Nicaragua | 07 | SOAB | LoTW; QSL via AJ9C (d/C) |
| YT5A | Serbia | 15 | M/M | YT1AD |
| ZD7W | St Helena | 36 | SOAB | LoTW; QSL via W6NV |
| ZF1A | Cayman Islands | 08 | SOAB HP | LoTW |
| ZF9CW | Cayman Islands | 08 | SO HP | K5GO (d) |
| ZL3X | New Zealand | 32 | M/2 | LoTW |
| ZM4T | New Zealand | 32 | M/2 | LoTW |

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(I) No IRC (P) PayPal (NB) No Bureau

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